



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Fife Symington, Governor Edward Z. Fox, Director

June 30, 1995
Ref#:PRU95, 261

Ms. Jerelean M. Johnson
Arizona Project Officer
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105-3901

RE: Mud Brothers Car Wash
108 South 5th Street
Buckeye, Arizona 85326
(AZ0001039122)

Dear Jere,

Enclosed please find the Preliminary Assessment report prepared for EPA concerning the CERCLA evaluation for the Mud Brothers Car Wash site.

Once the Remedial Site Assessment Form is returned, we will forward copies to the individuals indicated on the distribution list.

If you have any questions please contact me at (602) 207-4223.

Sincerely,

A handwritten signature in cursive script, reading "Lowell M. Carty Jr.".

Lowell M. Carty Jr.
Preremedial Unit Manager
Waste Programs Division

Attachment:

(Jere) (PACover)
(Pa95630.mbc)

**CONFIDENTIAL PREDECISIONAL
PRELIMINARY ASSESSMENT**

A450 208

**MUD BROTHERS CAR WASH
108 SOUTH 5TH STREET
BUCKEYE, ARIZONA 85326
MARICOPA COUNTY**

EPA ID#: AZ0001039122

STATE ID#: 1340



**PREPARED BY:
SHELLEY J. MILLER**

June 13, 1995

**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WASTE PROGRAMS
REMEDIAL PROJECTS SECTION
PREREMEDIAL UNIT**

PRELIMINARY ASSESSMENT

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PRELIMINARY ASSESSMENT

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SECTION I

PRELIMINARY ASSESSMENT
MUD BROTHERS CAR WASH

1.0 INTRODUCTION:

The U.S. Environmental Protection Agency (EPA), Region IX, under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Reauthorization Act of 1986 (SARA) has tasked the Arizona Department of Environmental Quality (ADEQ) to conduct a Preliminary Assessment (PA) at Mud Brothers Car Wash (Mud Brothers), Buckeye, Maricopa County, Arizona.

The purpose of the PA is to review existing information on the site and its environs to assess the threat, if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, and local agencies, and performance of an on-site reconnaissance visit.

Using these sources of information, the site is evaluated using EPA's Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a sites eligibility for placement on EPA's National Priority List (NPL), which identifies

sites at which EPA may conduct remedial response actions. This report summarizes the findings of these preliminary investigative activities.

Mud Brothers was identified as a potential hazardous waste site by ADEQ and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) February 27, 1995 (AZ0001039122). The site was listed on CERCLIS as a result of a soil-gas survey that was conducted at an adjacent property, U S West Communications. The highest concentrations of VOCs detected in the soil-gas were as follows: 2.7 micrograms per liter ($\mu\text{g/l}$) of 1,1-Dichloroethene (1,1-DCE), 0.47 $\mu\text{g/l}$ of 1,1,1-Trichloroethane (1,1,1-TCA), 33.85 $\mu\text{g/l}$ of Methylene Chloride, and 0.36 $\mu\text{g/l}$ of Trichlorofluoromethane.(13, 14) The Mud Brothers site is one of several that is being screened for possible sources of contamination. This report will provide information regarding activities at the site, including chemical useage and waste handling practices.

1.1 Apparent Problem

The apparent problems at the site are:

- Volatile organic compounds (VOCs) detected in soil-gas samples at the site and at the adjacent U S West Communications property.
- Possible soil and groundwater contamination due to a release of unknown substances.(2, 4)

2.0 SITE DESCRIPTION:

2.1 Site Location

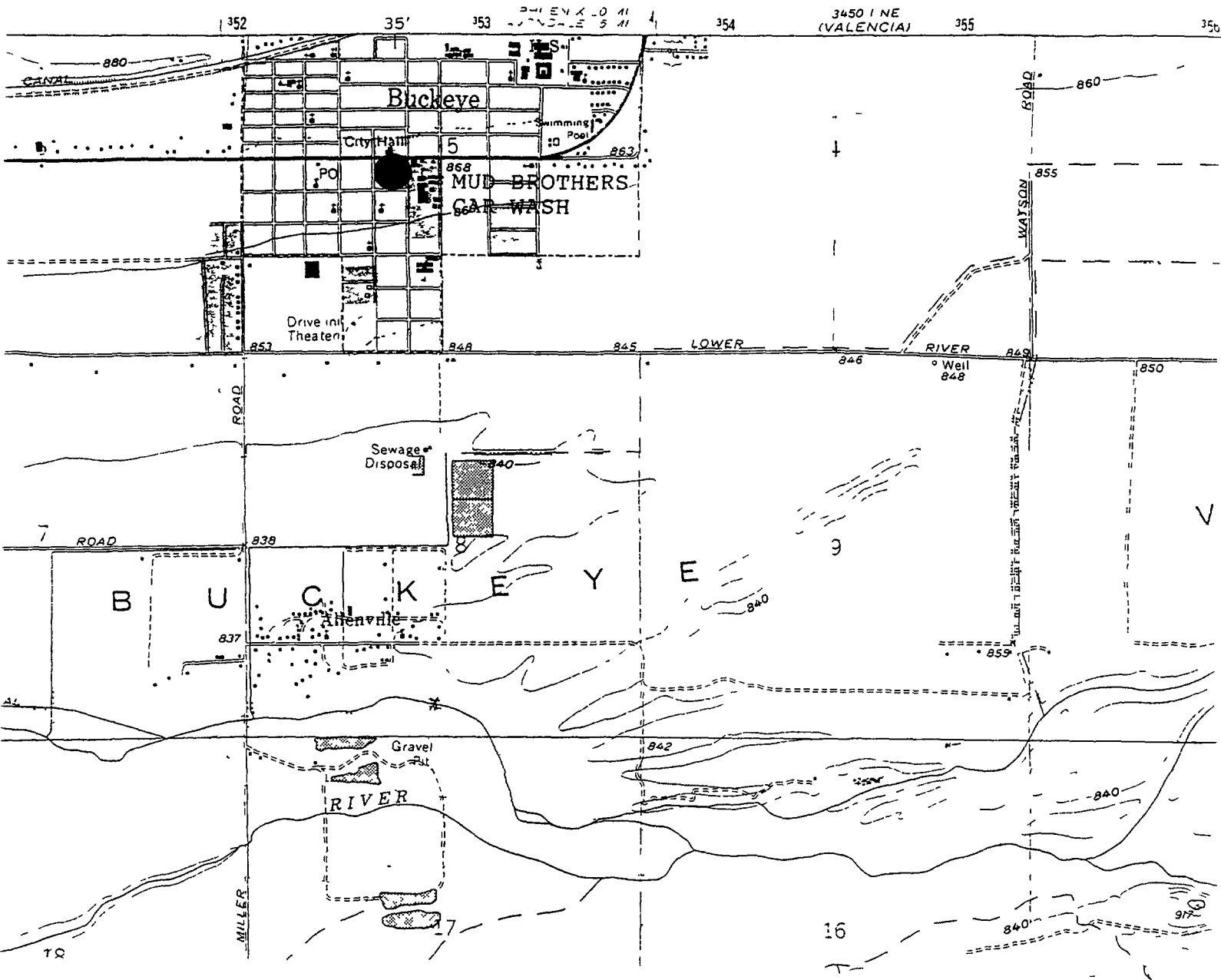
Mud Brothers is located at 108 South 5th Street, Buckeye, Arizona 85326. The geographic coordinates of the site are 33° 22' 10" N latitude and 112° 35' 02" W longitude [Township 1 South, Range 3 West, Section 5 NW ¼, NE ¼, SW ¼, Gila and Salt River baseline and meridian, Buckeye, Arizona, Buckeye 7.5 minute quadrangle (C-01-03)05cab].(17) (Figure 1, Site Location Map)

2.2 Site Description

The Mud Brothers site occupies less than an acre of land (Parcel Number 400-26-012C) and is located in a commercial and residential area. There is one main building on site that consists of three automobile washing bays and two equipment rooms. Pumps used to dispense soap and wax are located in one of the equipment rooms. The equipment rooms are used to store supplies. One of the equipment rooms also contains a large tank that is divided into compartments where soap and wax are dispensed and mixed with water. There is also vacuuming equipment that is located under a covered ramada just east of the main building.(3) The site is entirely paved with asphalt and is mostly unfenced. There were no wells, drywells, surface impoundments, or landfills observed during the site visit. The site is bordered on the north by an Exxon service station, the south by U S West Communications, the east by an alley, and the west by 5th Street.(1, 3) (Figure 2, Facility Diagram)

FIGURE 1

SITE LOCATION MAP
MUD BROTHERS CAR WASH



Scale: 1 Section = 1 Mile
USGS Quadrangle
Phoenix, Ariz., 1952

NOT TO
SCALE

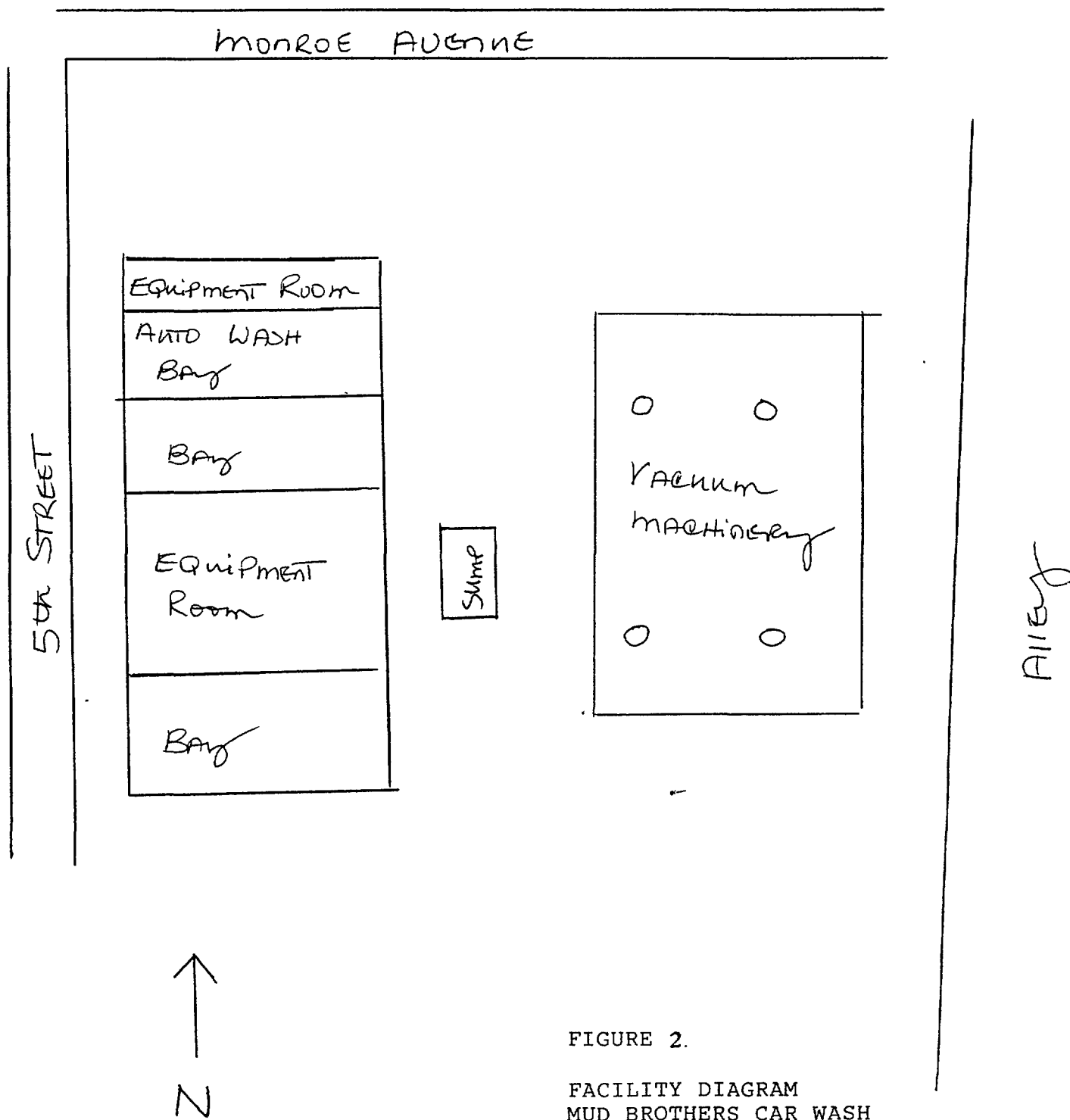


FIGURE 2.

FACILITY DIAGRAM
MUD BROTHERS CAR WASH

2.3 Operational History

The site was vacant desert prior to its development in 1972. A car wash was built on site in 1972 and is currently in operation.(20)

When the car wash is in operation, one of the pumps, located in the equipment room, is engaged. Either a soap or wax mixture is dispensed through one of the spray guns located outside the equipment room inside one of the car wash bays.(1, 3)

Some of the products observed in the equipment room during the site visit included approximately five gallons of acrylic latex paint and acrylic resin roofing coat and approximately two gallons of Stoddard solvent. These products are on a concrete floor inside the building.(3)

There are no hazardous wastes generated by the Mud Brothers Car Wash. Wash water drains into a sump where the solids drop to the bottom and the water drains through a pipe into the town sewer. Approximately once a month the sump is pumped out by a contractor.(1, 3)

The current property owner reported seeing oil cans and a filter on the ground at the site in the 1960's while he was working at the adjacent gas station. The property was bare dirt until it was developed in the 1970's. He stated that it appeared like someone had driven onto the property and changed their oil and left the cans behind. He also stated that during that time period it was common for used oil to be sprayed on vacant property for dust control.(3)

During the soil-gas survey, conducted at U S West Communications in May, 1989, two soil-gas samples were taken at the Mud Brothers site. Methylene chloride was detected at 2.19 and 33.85 micrograms per liter ($\mu\text{g/l}$), 1,1-DCE at 0.47 and 2.7 $\mu\text{g/l}$, and chloroform at 1.11 and 1.23 $\mu\text{g/l}$. The other analytes, trans-1,2-DCE, 1,1,1-TCA, and trichlorofluoromethane, that were detected in soil-gas samples from U S West Communications were not found in the soil-gas samples from Mud Brothers. The soil-gas was also analyzed for Total Petroleum Hydrocarbons (TPH). All the TPH analyses were below detection limits that ranged from a concentration of 0.001 milligram/liter (mg/l) to 0.22 mg/l .(13, 14)

The site was under private ownership when it was sold in 1971. In 1987, the property was sold again by the owners to members of their family.(1, 20)

2.4 Regulatory Involvement

State

The Mud Brothers site came to the attention of ADEQ as a result of an investigation regarding irritating fumes inside the building at the adjacent U S West Communications facility. Western Technologies, Inc. was contracted by U S West Communications to conduct soil vapor testing in May, 1989. As previously discussed under Operational History, two of these samples were taken at the Mud Brothers site. Detection of low levels of halogenated solvents in the soil-gas samples lead to an expansion of the investigation by ADEQ. A Preliminary Assessment report (dated June 3, 1994) was written on the U S West

Communications property to determine if there were other possible sources of the VOC contamination.(2, 4, 7, 9)

The Mud Brothers site is not listed on the Resource, Conservation and Recovery Act (RCRA) database as a generator of hazardous waste. The facility does not have underground storage tanks registered with ADEQ. An Aquifer Protection Permit would not be required for this facility because wastewater is discharged into the community sewer system. No wells, drywells, surface impoundments, or landfills were observed at the site.(1, 3, 12)

Local

The Town of Buckeye Fire Department has not inspected the Mud Brothers facility. The Town of Buckeye does not conduct regular inspections but will inspect facilities if requested to do so, or as needed. The Mud Brothers facility does not have a Maricopa County Air Pollution Control Permit. The Town of Buckeye does not issue wastewater discharge permits. Wastewater is inspected annually by the Town of Buckeye Public Works Department, or as needed.(5, 21)

3.0 HRS FACTORS

3.1 Sources of Contamination

Potential sources of contamination at the Mud Brothers site are:

- Waste oil contaminated soil
- Solvent contaminated soil

Waste oil has reportedly been sprayed onto the site for dust control during the 1960's. Also during the 1960's, oil from a motor vehicle was reportedly deposited onto the ground at the site.(20) Waste oil may contain heavy metals and solvents. Waste oil is CERCLA eligible.

VOCs have been detected in soil-gas samples taken at the site. There has not been a source of the VOCs identified at the site.

3.2 Groundwater Pathway

3.2.1 Hydrogeologic Setting

The Mud Brothers site is located in the West Salt River Valley, which is a sub-basin within the Phoenix Active Management Area. The West Salt River Valley is comprised of alluvial deposits which are the main sources of groundwater. Based on lithology, these valley-fill deposits can be divided into three water-bearing strata which, in descending stratigraphic order, are the Upper Alluvial Unit, the Middle Fine-Grained Unit, and the Lower Conglomerate Unit.(10, 11)

The primary source of groundwater for the West Salt River Valley is the Upper Alluvial Unit which consists of unconsolidated deposits of gravel, sand, and clay that range in thickness from 0 to 400 feet. The thickness of the Upper Alluvial Unit in the area of the site is approximately 100 feet. Regional hydraulic conductivity values range from 180 to 1,700 feet per day and wells completed in the unit produce from 1,500 to 5,500 gallons per minute.(10, 11)

The Middle Fine-Grained Unit is composed of middle to late Tertiary deposits consisting of interbedded sand, clay, and evaporite and is generally considered to be an aquitard. Hydraulic conductivities are lower than those for the permeable Upper Alluvial Unit and values range from 4 to 60 feet per day. The Middle Fine-Grained Unit is estimated to be between 0 to 800 feet thick and wells perforated in the coarser zones of the unit produce more than 2,000 gallons per minute.(10, 11)

The Lower Conglomerate Unit consists predominantly of coarse-grained sand and gravel-cemented conglomerate. Groundwater in this unit is confined throughout most of the area. The Lower Conglomerate Unit usually tapped by wells along the periphery of the valley where the unit is relatively close to the surface. Large capacity wells completed within the coarser-grained deposits of the Lower Conglomerate Unit may yield as much as 2,000 gallons per minute. The hydraulic conductivity of this unit may be influenced by fracturing and cementation and ranges from 3 to 25 feet per day.(10, 11)

The depth to groundwater in the Buckeye area ranges from 27 to 115 feet below land surface (bls). The depth to groundwater in the immediate vicinity of the subject facility was encountered at 28 feet bls. Regionally, groundwater flows in a southwesterly direction. The local groundwater flow direction would be expected to be consistent with the regional flow.(7, 10, 11)

The unsaturated zone in the area of the Mud Brothers site is of the Gilman loam variety in the Gilman Series. These well-drained soils are on valley plains and low stream terraces. These deposits consist largely of gravel, sand, and silt.(23)

The hydraulic conductivity of these heterogeneous sediments is estimated to range from 10^{-3} to 10^{-5} cm/sec. The slope of the Gilman loam soils ranges from 0 to 1 percent.(23)

The climate in the metropolitan Phoenix area is arid with evaporation greatly exceeding precipitation. Precipitation is heaviest from November - April, with a net seasonal precipitation of -16.79 inches.(24)

3.2.2 Groundwater Targets

The nearest active drinking water well to the Mud Brothers facility is owned by the Town of Buckeye, and is located approximately $\frac{1}{4}$ - $\frac{1}{2}$ mile from the site.(22) There are 7 public supply wells within a four mile radius of the site. These wells serve drinking water to approximately 6,040 people.(19)

The Town of Buckeye Municipal operates a blended system that serves approximately 4,000 people from 3 groundwater wells. No surface water is blended into the system. Not all of the wells are pumped during any given year, and more than 40 percent of the water may come from one well. All three wells are located approximately $\frac{1}{2}$ mile from the site.(19, 22)

The Valencia Water Company operates 3 groundwater wells. The wells serve approximately 1,950 people. More than 40 percent of the water from the blended system comes from one well. The water is not blended with surface water. All three wells are located between 1 - 2 miles of the site.(18, 22)

The Country Home Mobile Village Park well serves approximately 90 people. This well is located approximately 1 mile from the site.(16)

3.2.3 Groundwater Pathway Conclusion

According to available groundwater sampling data, no pesticides, VOCs, or metals have been detected within four miles of the site.(8) Groundwater occurs 28 feet bls at the site and the unsaturated zone is comprised mostly of gravel, sand, and silt. Groundwater withdrawn within 4 miles of the site provides water to approximately 6,040 people.

3.3 Surface Water Pathway

The Mud Brothers site is located approximately ½ mile south of the Buckeye Canal. The canal water flows from east to west. The Buckeye Canal is bermed and there are no direct routes or water channels from the site to the canal.(15)

The canal extends from Goodyear at the confluence of the Agua Fria and Gila Rivers to the outflow at the confluence of the Hassayampa and Gila Rivers. Water in the canal is diverted surface water from the Gila River. Groundwater wells also discharge to the canal. Water from the canal is used for irrigation and possibly for livestock. No water from the Buckeye Canal is used for human consumption. There are no sensitive environments along the canal.(15)

3.4 Soil Exposure and Air Pathways

Based on available information, it does not appear that there is CERCLA related air contamination associated with this site. While there is a possibility that soil at the site may be contaminated with waste oil or solvents, the entire site is paved with asphalt and there are no residents on site.(3)

4.0 EMERGENCY RESPONSE CONSIDERATIONS:

The National Contingency Plan [40 CFR 300.415 (b) (2)] authorizes the Environmental Protection Agency to consider emergency response actions at those sites that pose an imminent threat to human health or the environment. For the following reasons a referral to Region IX's Emergency Response Section does not appear to be necessary:

- The site is paved

5.0 SUMMARY:

The Mud Brothers site occupies less than an acre of land at 108 South 5th Street, Buckeye, Arizona. The site was vacant desert land prior to its development in 1972. A car wash has operated at the site since it was developed. There is one main building on site that consists of three automobile wash bays and two equipment rooms. Mechanical Pumps used to dispense soap and wax are located in one of the equipment rooms. The equipment rooms are used to store supplies, pumping equipment, and a mixing tank for soap and wax. There is also

vacuuming equipment that is located under a covered ramada to the east of the main building.

Some of the products observed in the equipment room during the site visit included approximately five gallons of acrylic latex paint and acrylic resin roofing coat and approximately two gallons of Stoddard solvent. These products are on a concrete floor inside the building.

There are no hazardous wastes generated by the Mud Brothers Car Wash. Wash water drains into a sump where the solids drop to the bottom and the water drains through a pipe into the town sewer. Approximately once a month the sump is pumped out by a contractor.

Before the site was paved, in the 1960's, there was reported dumping of waste oil onto the ground from someone driving onto the property and changing their oil. It is also reported that waste oil may have been sprayed onto the ground for dust control in the 1960's.

A source for the volatile organic compound (VOC) contamination in the soil-gas samples has not been found at the Mud Brothers site. There are no hazardous wastes generated by this facility. There were no hazardous waste violations noted in regulatory documentation that was reviewed for this site.

According to available groundwater sampling data, no pesticides, VOCs, or metals have been detected within four miles of the site. Groundwater withdrawn within 4 miles of the site provides water to approximately 6,040 people.

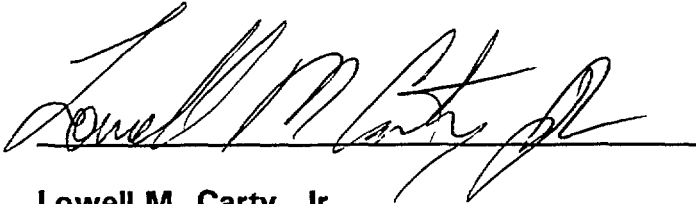
The closest surface water to the site is approximately ½ mile away and there are no direct routes or water channels from the site. There is little possibility that the activities on site have impacted the air or soil exposure pathways because the site is paved and there are no hazardous substances on site.

The pertinent Hazard Ranking System factors for the site are:

- The site is covered by buildings and asphalt paving.
- There are no residents on site.
- No pesticides, VOCs, or metals have been detected in the groundwater collected from drinking water wells within four miles of the site.
- The Buckeye Canal, which is located approximately 0.5 mile south of the site, is an irrigation canal that is bermed and there are no direct routes or water channels from the site to the canal.

MUD BROTHERS CAR WASH (AZ0001039122)

6.0 ADEQ MANAGEMENT REVIEW/CONCURRENCE:

A handwritten signature in black ink, appearing to read "Lowell M. Carty, Jr.", is written over a horizontal line.

Lowell M. Carty, Jr.

6-27-95

Date

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

Site Name: Mud Brothers Car Wash EPA ID#: AZ0001039122

Alias Site Names: _____

City: Buckeye County or Parish: Maricopa State: AZ

Refer to Report Dated: June 13, 1995 Report type: PA

Report developed by: Arizona Department of Environmental Quality

DECISION:

1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

1a. Site does not qualify for further remedial site assessment under CERCLA
(Site Evaluation Accomplished - SEA)

1b. Site may qualify for further action, but is deferred to:

RCRA
NRC

2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: | | Higher | | Lower

2b. Activity Type:

PA
SI

ESI

HRS evaluation

1 | Other:

DISCUSSION/RATIONALE:

DISCUSSION/RATIONALE: The site does not qualify for further
evaluation under CERCLA

**Report Reviewed,
Approved, and Site
Decision Made by:**

Report Reviewed,
Approved, and Site
Decision Made by: Carolyn J. Douglas Signature: Carolyn J. Douglas Date: 9/12/85

8.0 REFERENCES:

- (1) ADEQ Preremedial Unit, Preliminary Assessment Questionnaire to Mud Brothers car Wash, December 8, 1994.
- (2) Memo to Judy Heywood, ADEQ Site Assessment Hydrology Unit, From Quinn Thacker, ADEQ UST Compliance Unit. September 3, 1993.
- (3) Shelley J. Miller, Site Reconnaissance at Mud Brothers Car Wash, May 17, 1995.
- (4) Arizona Department of Environmental Quality, Hazardous Waste Inspection Report, U S West Buckeye Equipment Facility. December 6, 1989.
- (5) Contact Report: Ronald Long, Town of Buckeye Public Works, and Shelley J. Miller, Arizona Department of Environmental Quality. May 25, 1995.
- (6) Contact Report: Carmela, Maricopa County Assessor's Office and Shelley J. Miller, Arizona Department of Environmental Quality. February 24, 1995.
- (7) Letter from John Ferguson, U S West Communications to Craig Kafura, Arizona Department of Environmental Quality. November 8, 1989.
- (8) Arizona Department of Environmental Quality, "Groundwater Quality Database". 1979-1992.
- (9) Letter from John Ferguson, U S West Communications, to Lisa Lund, ADEQ UST Compliance Unit. August 31, 1989.
- (10) Reeter, R. W., and W. H. Remick, Maps Showing GroundWater Conditions in the West Salt River, East Salt River, Lake Pleasant, Carefree and Fountain Hills Sub-Basins of the Phoenix Active Management Area; Arizona Department of Water Resources Hydrologic Map Series Report Number 12. July, 1986.
- (11) Brown, James G., and D. R. Pool, Hydrogeology of the Western Part of the Salt River Valley Area, Maricopa County, Arizona; U. S. Geological Survey Water-Resources Investigations Report 88-4202. 1989.
- (12) ADEQ RCRA Database. March 24, 1995.

- (13) Soil Gas Survey U S West Communications Buckeye Facility, Buckeye Arizona; Job No. 2179J180. June 1, 1989.
- (14) Western Technologies Inc., Laboratory Report for U S West Communications. June 27, 1989.
- (15) Contact Report: Gary Colvin, Buckeye Irrigation Company, and Shelley J. Miller, Arizona Department of Environmental Quality. March 24, 1994.
- (16) Contact Report: Don Hutman, Country Home Mobile Village Park, and Shelley J. Miller, Arizona Department of Environmental Quality. March 21, 1994.
- (17) USGS, Buckeye, Arizona--7.5 Minute Quadrangle. 1958.
- (18) Contact Report: Tom Keller, Valencia Water Company, and Shelley J. Miller, Arizona Department of Environmental Quality. March 18, 1994.
- (19) Contact Report: Ronald Long, Town of Buckeye, and Shelley J. Miller, Arizona Department of Environmental Quality. March 18, 1994.
- (20) Contact Report: Alan Calvert, Mud Brothers Car Wash, and Shelley J. Miller, Arizona Department of Environmental Quality. May 8, 1995.
- (21) Contact Report: Alan Calvert, Town of Buckeye Fire Department, and Shelley J. Miller, Arizona Department of Environmental Quality. June 1, 1995.
- (22) Arizona Department of Water Resources, 1991 Pumpage From Non-Exempt Wells Pumping Pursuant to 56-Service Areas - Phoenix AMA Small or Large Provider Population. January, 1993.
- (23) United States Department of Agriculture Soil Conservation Service, Soil Survey of Maricopa County, Arizona. September, 1977.
- (24) US Department of Commerce, Climatic Atlas of the United States. Environmental Science Services Administration, Environmental Data Service. June, 1968.

SECTION II

APPENDIX A

PA/SI CONTACT LOGFacility Name: MUD BROTHERS CAR WASHEPA ID Number: AZ0001039122

NAME	AFFILIATION	PHONE	DATE	INFORMATION
Alan Calvert	Mud Brothers Car Wash	386-4711	05/17/95	Site Recon. Visit
Carmela	Maricopa County Assessors	506-3406	05/24/95	See Contact Report
Gary Colvin	Buckeye Irrigation Company	386-2196	03/24/94	See Contact Report
Don Hutman	Country Home Mobile Village Park	386-4482	03/21/94	See Contact Report
Tom Keller	Valencia Water Company	386-4252	03/18/94	See Contact Report
Ronald Long	Town of Buckeye	386-2487	03/18/94	See Contact Report
Alan Calvert	Town of Buckeye Fire Department	386-4411	06/01/95	See Contact Report
Linda Stevens	Maricopa County Health Department	506-6464	05/24/95	No Information Available
Ronald Long	Town of Buckeye Public Works	386-2487	05/25/95	See Contact Report
Alan Calvert	Mud Brothers Car Wash	386-4711	05/08/95	See Contact Report
Stacy Munday	ADEQ UST Inspections & Compliance	207-4329	05/26/95	No Registered USTs

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

Arizona Department of Environmental Quality
3033 North Central Avenue
Phoenix, AZ 850012

OBSERVATIONS MADE BY:

DATE: 05/17/95

Shelley J. Miller

Debi Malone

FACILITY REPRESENTATIVE and TITLE:

Alan Calvert

SITE:

Mud Brothers Car Wash

EPA ID: AZ0001039122

STATE ID: 1340

INFORMATION RECEIVED:

The site is bordered on the north by an Exxon service station, the south by U S West Communications, the east by Clickner Gymnasium, and the west by 5th Street. The site is paved and unfenced. The site is located in a commercial and residential area.

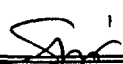
There is one building on site that is comprised of three car wash bays and two equipment rooms. One of the equipment rooms contains several pumps used for dispensing soap and wax into a large tank. The tank is divided into compartments where the soap or wax is mixed with water. Spray guns for cleaning vehicles are located in each of the bays. When the spray guns are turned on the soap or wax is pumped out of the tank through the guns. One of the bays contains automatic car wash equipment. Several vacuums are sheltered under an adjacent ramada. There were no drywells, surface impoundments, or landfills observed.

Products stored in the equipment rooms included five gallons of acrylic latex paint and acrylic resin roofing coat and approximately two gallons of Stoddard solvent. The property owner reports seeing oil cans and a filter on the ground before the site was paved, in the 1960's. He said it appeared like someone had driven onto the property and changed their oil and left the cans behind. He also stated that the property had probably been sprayed with waste oil, which was commonly used for dust control at that time.

There are no hazardous wastes generated by the facility. There is a sump where water from the car wash drains. The solids fall to the bottom and the water drains into the sewer. Approximately once a month the sump is pumped out by a contractor.

There are no residents on site.

CONTACT REPORT

AGENCY AFFILIATION: Maricopa County		
DEPARTMENT: Assessor's Office		
ADDRESS/CITY: 301 West Jefferson Street, Phoenix		
COUNTY/STATE/ZIP: Maricopa, Arizona 85003		
CONTACT	TITLE	PHONE
1. Carmela	Appraiser Aid	506-3406
2.		
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 5/24/95
SUBJECT: Property Ownership		
SITE NAME: Mud Brothers Car Wash		EPA ID: AZ0001039122

INFORMATION RECEIVED

The property located at 108 S. 5th Street in Buckeye, Parcel 400-26-012C has the following ownership:
A & D Calvert Bros. Limited Partnership

The building at the site was constructed in 1972.

The last recording date for the property is April 15, 1988.

CONTACT REPORT

AGENCY AFFILIATION: Buckeye Irrigation Company		
DEPARTMENT:		
ADDRESS/CITY: P. O. Box 726, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Gary Colvin		386-2196
2.	<i>Sm</i>	
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 3/24/94
SUBJECT: Buckeye Canal		
SITE NAME: U. S. West Communications		EPA ID: AZ0000125997

INFORMATION RECEIVED

The Buckeye Canal is bermed and there are no water channels from the site to the canal. The canal water flows from east to west. Water from the canal is used for irrigation and possibly for livestock. There are no sensitive environments along the canal. The canal extends from Goodyear at the confluence of the Agua Fria and Gila Rivers to the outflow at the confluence of the Hassayampa and Gila Rivers. Water in the Buckeye Canal is diverted surface water from the Gila River. Groundwater wells also discharge to the canal. Above the diversion, effluent is discharged into the Salt River from the City of Phoenix 91st Avenue Wastewater Treatment Plant. In the pipe, the water is legally classified as effluent. When it is returned to the river, it is surface water.

CONTACT REPORT

AGENCY AFFILIATION: Country Home Mobile Village Park		
DEPARTMENT:		
ADDRESS/CITY: 23740 W. Highway 85, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Don Hutman	Manager	386-4482
2.		
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 3/21/94
SUBJECT: Water Servers		
SITE NAME: U. S. West Communications		EPA ID: AZ0000125997

INFORMATION RECEIVED

The Country Home Mobile Village Park well serves 30 trailers with approximately 3 people per trailer.

CONTACT REPORT

AGENCY AFFILIATION: Valencia Water Company		
DEPARTMENT:		
ADDRESS/CITY: 401 E. Jackson, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Tom Keller	Operations Manager	386-4252
2.		
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 6/21/95
SUBJECT: Water Servers <i>Shr</i>		
SITE NAME: Mud Brothers Car Wash		EPA ID: AZ0001039122

INFORMATION RECEIVED


The Valencia Water Company has 3 groundwater wells with approximately 650 service connections that serve approximately 1,950 people. The water provided is 100% groundwater. All of the wells are located 1 - 2 miles from 5th Street and Monroe (the location of the site). The name of the wells and the pumpage data for 1994 is as follows:

Well #3 (4th and Baseline) - 8,000,000 gallons or
24.55 acre feet

Well #1 (7th and Alarcon) - 16,754,000 gallons or
51.42 acre feet

Well #2 (4th and Central) - 39,264,000 gallons or
120.50 acre feet

CONTACT REPORT

AGENCY AFFILIATION: Town of Buckeye		
DEPARTMENT:		
ADDRESS/CITY: 100 N. Apache Rd., Suite A, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Ronald Long	Public Works Director	386-2487
2.		386-4691
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 6/21/95
SUBJECT: Water Servers		
SITE NAME: Mud Brothers Car Wash		EPA ID: AZ0001039122

INFORMATION RECEIVED

Buckeye has three water systems. The town of Buckeye Municipal System has three wells within four miles of the site that are all located approximately $\frac{1}{2}$ mile away. Two of the wells are pumped regularly and the third well is used as a backup or standby well. The system is blended, and all of the water is groundwater. The acre feet pumped for each individual well is not available. The acre feet pumped for the entire system is available, but was not accessible at the time of this conversation.

The well number and gallons per minute pumped for each well is as follows:

Well #11 - 700 gallons per minute
Well # 9 - 400 gallons per minute
Well #10 - Backup

The system provides approximately 920 services to approximately 4,000 people.

CONTACT REPORT

AGENCY AFFILIATION: Town of Buckeye Fire Department		
DEPARTMENT:		
ADDRESS/CITY: 100 North Apache, Suite A, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Alan Calvert	Chief	386-4411
2.	<i>Sm</i>	
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 6/01/95
SUBJECT: Fire Inspections		
SITE NAME: Mud Brothers Car Wash		EPA ID: AZ0001039122

INFORMATION RECEIVED

The fire department has not inspected this facility. No regular inspections are conducted by the Town of Buckeye Fire Department. Inspections are conducted as needed or upon request. There have been no occasions where the fire department was called to this facility.

CONTACT REPORT

AGENCY AFFILIATION: Town of Buckeye		
DEPARTMENT: Public Works		
ADDRESS/CITY: 100 North Apache Road, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Ronald Long		386-2487
2.	<i>Spri</i>	
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 5/25/95
SUBJECT: Discharge to Sewer		
SITE NAME: Mud Brothers Car Wash		EPA ID: AZ0001039122

INFORMATION RECEIVED

The Town of Buckeye doesn't issue wastewater discharge permits. If there is excessive oil in the wastewater at the treatment plant, the various facilities will be inspected to determine the source. Grease traps are inspected annually, but wastewater is not sampled. There are no records regarding the facilities that are on the city sewer.

CONTACT REPORT

AGENCY AFFILIATION: Mud Brothers Car Wash		
DEPARTMENT:		
ADDRESS/CITY: 108 S. 5th Street, Buckeye		
COUNTY/STATE/ZIP: Maricopa, Arizona 85326		
CONTACT	TITLE	PHONE
1. Alan Calvert		386-4711
2.	<i>SM</i>	
PERSON MAKING CONTACT: Shelley J. Miller		DATE: 5/8/95
SUBJECT: Operational History		
SITE NAME: Mud Brothers Car Wash		EPA ID: AZ0001039122

INFORMATION RECEIVED

Mud Brothers Car Wash has no waste oil, Freon, or antifreeze on site. The degreasers and cleaners used by this company are soap. The facility uses a 60 gallon above-ground tank for car wash soap, a 30 gallon above-ground tank for a polish wax, and a 30 gallon above-ground tank for tire-degreasing soap. The soap is dispensed from the tanks into a spray nozzle by a pump.

Alan Calvert and his brother purchased the property from C. L. & Peggy Calvert in 1987. C. L. & Peggy Calvert purchased the property from L. D. McDonald in 1971. At the time that Mr. McDonald sold the property it was a vacant lot.

While the property was vacant, Mr. Calvert occasionally observed empty cans of oil and oil filters that had been left on the ground. He stated that it appeared that someone had driven onto the property and changed their oil. There were oil stains on the property at the time that the Calverts purchased the property in 1971. The site is currently paved with asphalt. In the 1960's vacant property in the area was sprayed with used oil for dust control.

APPENDIX B

SITE ASSESSMENT DECISION - EPA REGION 9

Site Name: Mud Brothers Car Wash **EPA ID#:** AZ0001039122

Alias Site Names: _____

City: Buckeye **County or Parish:** Maricopa **State:** AZ

Refer to Report Dated: June, 1995 **Report type:** Preliminary Assessment

Report developed by: Shelley J. Miller

DECISION:

X 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

1b. Site may qualify for further action, but is deferred to:	RCRA NRC
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2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: | | Higher | | Lower

2b. Activity	PA	ESI
Type:	SI	HRS evaluation

Other: _____

DISCUSSION/RATIONALE:

The site does not qualify for
treatment under CERCLA

**Report Reviewed
and Approved by:**

Signature: _____ **Date:** _____

Site Decision

Signature: Carolyn J. Douglas Date: 9/12/95

EPA Form # 9100-3

DATE: 05/17/95

TIME: 3:00 p.m.

DIRECTION: Facing NW

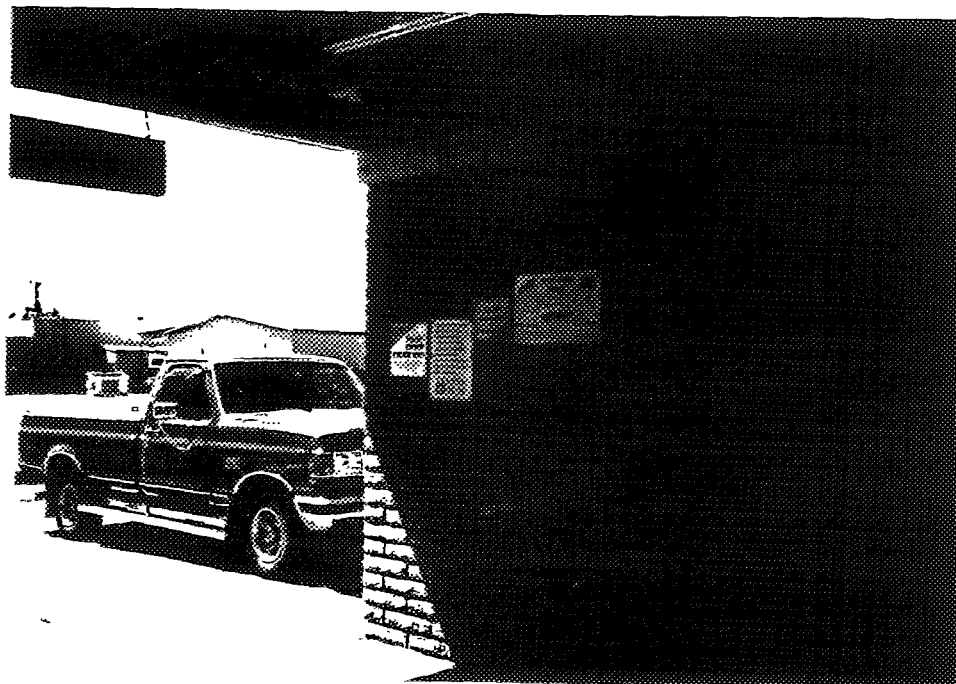
WEATHER: Clear

PHOTOGRAPHER:

Debi Malone

DESCRIPTION:

Photo shows the Inside of a Car Wash Bay



DATE: 05/17/95

TIME: 3:00 p.m.

DIRECTION: Facing E

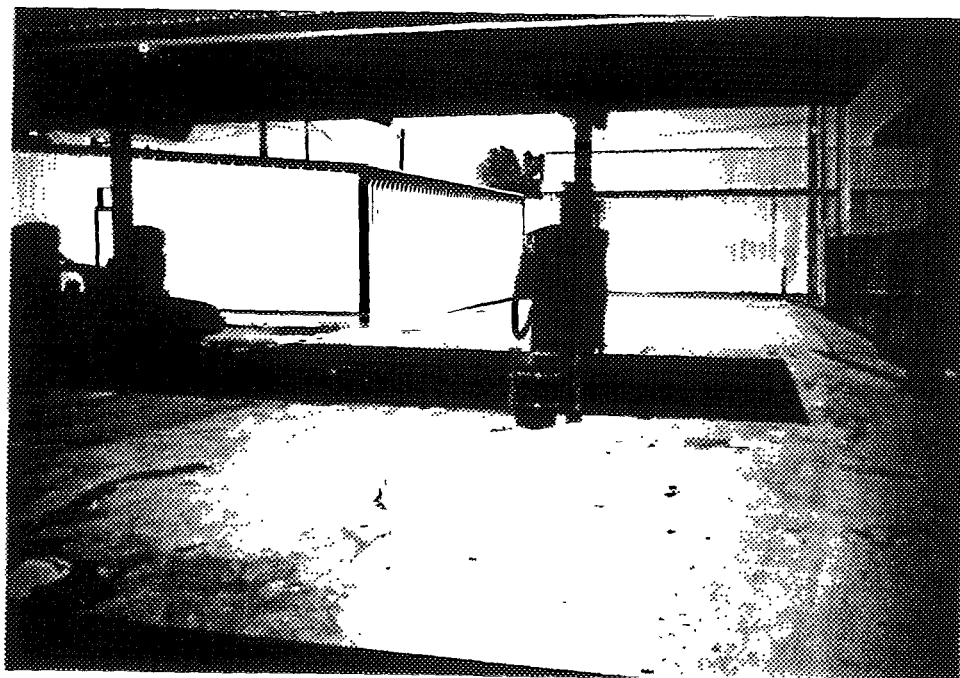
WEATHER: Clear

PHOTOGRAPHER:

Debi Malone

DESCRIPTION:

Photo shows the Ramada Covered Vacuuming Area



DATE: 05/17/95
TIME: 3:00 p.m.
DIRECTION: Facing W
WEATHER: Clear
PHOTOGRAPHER:
Debi Malone
DESCRIPTION:

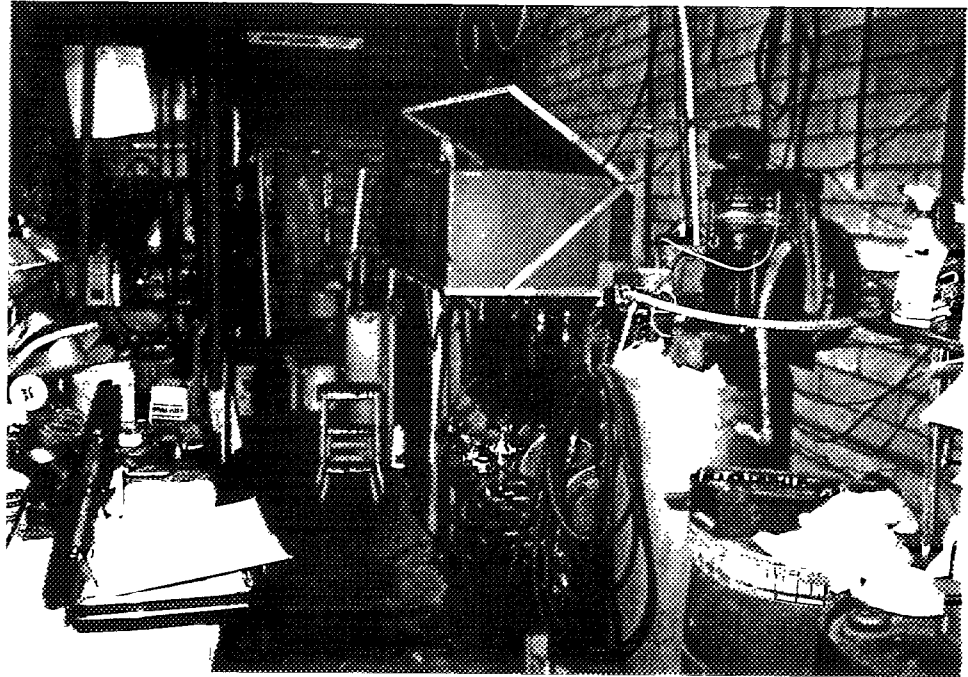


Photo shows the Inside of an
Equipment Room

DATE: 05/17/95
TIME: 3:00 p.m.
DIRECTION: Facing E
WEATHER: Clear
PHOTOGRAPHER:
Debi Malone
DESCRIPTION:

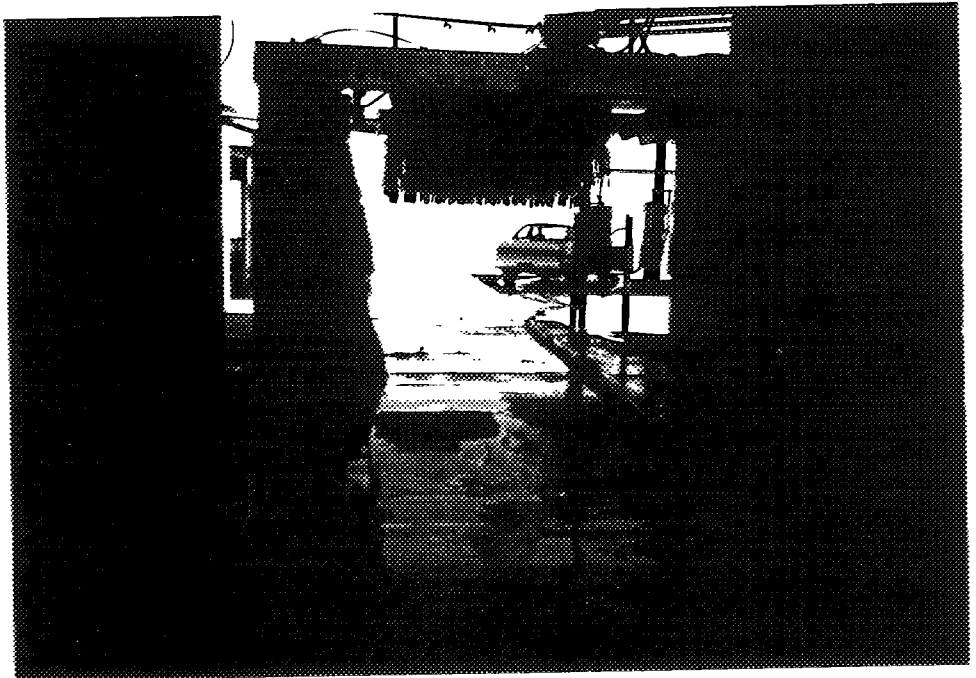


Photo shows the Automatic Car
Wash Bay